

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:)	"Express Mail" Mailing Label No. <u>EV 321710834</u>
	)	Date of Deposit <u>September 18, 2003</u>
Shunpei YAMAZAKI et al)	
Serial No.: Not Assigned	)	I hereby certify that this correspondence is being
	)	deposited with the United States Postal Service
Filed: Herewith	)	"Express Mail Post Office to Addressee" service
	)	under 37 CFR1.10 on the date indicated above
Art Unit:	)	and is addressed to: Commissioner for Patents,
	)	P.O. Box 1450, Alexandria, VA 22313-1450
For: ELECTRO-OPTICAL DEVICE AND)	
ELECTRONIC DEVICE	)	Name: <u>Yue X Luan</u>
	)	(typed or printed)
	)	Signature <u>Yue X Luan</u>

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 C.F.R. §1.97, as revised on February 4, 1992, 1135 OG 23-24, Applicant hereby calls the Examiner's attention to documents listed on the attached form, which documents may be material to the examination of this application. A copy of each of the references was submitted to the Patent Office or was cited by the Examiner in the parent application, Serial No. 09/587,369, filed June 2, 2000, which is being relied upon for an earlier filing date under 35 U.S.C. 120 (37 C.F.R. §1.98(d)).

No inference should be drawn that the attached list sets forth a comprehensive investigation of the prior art, that any or all are pertinent to the invention, or that any apparatus disclosed is equivalent to the subject invention.

The citation of the above-discussed documents is not to be construed as an assertion that more pertinent art could not possibly be in existence. Citation of any document herein is not to be construed as an admission that any subject matter disclosed in the document is necessarily within the inventive field of endeavor, that any disclosure is necessarily prior in time to a particular date which may be relevant to the instant patent application, and/or that any disclosure is otherwise necessarily prior art with respect to the instant invention.

Applicant also respectfully reserves the right to later set forth how the instant invention is distinguished over the disclosure of any document or other art, including the disclosure of those documents discussed herein, that may be cited by the Examiner in rejecting a claim in the instant patent application.

A first office action, notice of allowance or issue fee notification has not been received in this case, so applicant does not believe that a fee is due. However, if any such fee is required, please charge our Deposit Account No. 50/1039.

Respectfully submitted,



Mark J. Murphy
Registration No.: 34,225

COOK, ALEX, McFARRON, MANZO,
CUMMINGS & MEHLER, LTD.
200 West Adams Street
Suite 2850
Chicago, Illinois 60606
(312) 236-8500

LIST OF PUBLICATIONS CITED BY APPLICANT			<u>Atty. Docket No.</u> 0553-0187.01	<u>Serial No.</u> Not Assigned		
			<u>Applicant</u> Shunpei YAMAZAKI et al			
			<u>Filing Date</u> Herewith	<u>Group</u>		
U.S. PATENT DOCUMENTS						
*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	4,356,429	10/26/82	Tang	313	503	07/17/80
	4,539,507	09/03/85	VanSlyke et al	313	504	03/25/83
	4,720,432	01/19/88	VanSlyke et al	428	457	02/11/87
	4,769,292	09/06/88	Tang et al	428	690	10/14/87
	4,885,211	12/05/89	Tang et al	428	457	02/11/87
	4,950,950	08/21/90	Perry et al	313	504	05/18/89
	4,975,338	12/04/90	Kageyama et al	428	690	04/12/89
	5,003,221	03/26/91	Shimizu	313	509	08/26/88
	5,047,687	09/10/91	VanSlyke	313	503	07/26/90
	5,059,861	10/22/91	Littman et al	313	503	07/26/90
	5,059,862	10/22/91	VanSlyke et al	313	503	07/26/90
	5,061,617	10/29/91	Maskasky	430	569	12/07/90
	5,073,446	12/17/91	Scozzafava et al	428	323	07/26/90
	5,151,629	09/29/92	VanSlyke	313	504	08/01/91
	5,217,700	06/08/93	Kurihara et al	423	446	12/13/91
	5,294,869	03/15/94	Tang et al	313	504	12/30/91
	5,294,870	03/15/94	Tang et al	313	504	12/30/91
	5,338,364	08/16/94	Kurihara et al	118	729	12/21/92
	5,482,896	01/09/96	Tang	437	209	11/18/93
	5,496,597	03/05/96	Soininen et al	427	584	07/20/94
	5,530,269	06/25/96	Tang	257	88	03/28/95
	5,552,668	09/03/96	Hirose et al	313	506	10/12/94
	5,641,991	06/24/97	Sakoh	257	755	08/31/95
	5,643,826	07/01/97	Ohtani et al	437	88	10/25/94
	5,674,304	10/07/97	Fukada et al	65	32.4	09/23/94
	5,680,165	10/21/97	Takizawa et al	347	88	06/06/95
	5,684,365	11/04/97	Tang et al	315	169.3	12/14/94
	5,747,930	05/05/98	Utsugi	313	504	05/17/95
	5,839,456	11/24/98	Han	134	104.1	08/20/97
	5,853,905	12/29/98	So et al	428	690	09/08/97
	5,882,761	03/16/99	Kawami et al	428	69	11/19/96
	5,923,962	07/13/99	Ohtani et al	438	150	04/28/95
	5,929,487	07/27/99	Fukada et al	257	347	06/05/95
	5,962,962	10/05/99	Fujita et al	313	412	03/05/97
	6,268,842 B1	07/31/01	Yamazaki et al	345	98	04/09/99
	6,278,132 B1	08/21/01	Yamazaki et al	257	69	03/18/99

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	NAME	English Abstract	English Trans.	FILING DATE
	JP 62-090260	04/24/87	TDK Corp.	X		10/16/85
	WO 90/13148	11/01/90	Cambridge Research & Development			04/18/90
	EP 0 491 521	06/24/92	Fujitsu Ltd.			10/25/91
	JP 05-116297	05/14/93	Canon, Inc.	X		10/29/93
	JP 07-14678	01/17/95	Sharp Corp.	X		06/23/93
	JP 07-130652	05/19/95	Semiconductor	X		05/16/95
			Energy Lab Co. Ltd.			
	EP 0 684 753	11/29/95	NEC Corporation			09/08/94
	JP 08-078159	03/22/96	Idemitsu Kosan Co.	X		09/01/94
	JP 08-078519	03/22/96	NEC Corp.	X		12/05/95
	EP 717 445	06/19/96	Eastman Kodak Co.			12/05/95
	EP 717 446	06/19/96	Eastman Kodak Co.			12/12/95
	JP 08-234683	09/13/96	Eastman Kodak Co.	X		12/12/95
	JP 08-241048	09/17/96	Eastman Kodak Co.	X		04/20/95
	JP 08-290647	11/05/96	Seiko Epson Corp.	X		03/27/96
	JP 08-330602	12/13/96	Semiconductor	X		
			Energy Lab Co. Ltd.			
	EP 776 147	05/28/97	Pioneer Electronic Corp.			11/20/96
	JP 09-148066	06/06/97	Pioneer Electronic Corp.	X		11/24/95
			Idemitsu Kosan Co.,			09/05/95
	EP 781 075	06/25/97	Seiko Epson Corp.	X		06/19/96
	JP 10-012377	01/16/98	Cambridge Display	X		04/18/97
	JP 10-092576	04/10/98	Technology Ltd.			
	JP 10-189252	07/21/98	Idemitsu Kosan Co.,	X		12/26/96
	JP 10-189525	07/21/98	LG Semicon Co. Ltd.	X		12/24/97
	JP 10-270363	10/09/98	Semiconductor	X		03/27/97
			Energy Lab Co. Ltd.			
	JP 11-074073	03/16/99	Seiko Epson Corp.	X		08/29/97
	EP 961 525	12/01/99	Seiko Epson Corp.			08/25/98
	EP 0 999 595	05/10/00	Semiconductor			11/02/99
	JP 2000- 340798	12/08/00	Energy Lab Co. Ltd.			
			Semiconductor	X		03/15/00
	JP 2001- 343933	12/14/01	Energy Lab Co. Ltd.			
			Inukai	X		11/27/00

OTHER PRIOR ART - NON-PATENT LITERATURE DOCUMENTS
(Including Author, Title, Date, Pertinent Pages)

- 1) TSUTSUI, T., et al, "Electroluminescence in Organic Thin Films," Photochemical Processes in Organized Molecular Systems, pp. 437-450, (1991).
- 2) KIDO, J. et al, "White-Light-Emitting Organic Electroluminescent Device Using Lanthanide Complexes," Japanese Journal of Applied Physics, vol. 35, part 2, no. 3B, pp. L 394-L 396, March 15, (1996).
- 3) BALDO, M.A. et al, "Highly Efficient Phosphorescent Emission from Organic Electroluminescent Devices," Nature, vol. 395, pp. 151-154, September 10, (1998).
- 4) BALDO, M.A. et al, "Very High-Efficiency Green Organic Light-Emitting Devices Based on Electrophosphorescence," Applied Physics Letters, vol. 75, no. 1, pp. 4-6, July 5, (1999).
- 5) TSUTSUI, T. et al, "High Quantum Efficiency in Organic Light-Emitting Devices with Iridium-Complex as a Triplet Emissive Center," Japanese Journal of Applied Physics, vol. 38, part 2, no. 12B, pp. L 1502-L 1504, December 15, (1999).
- 6) European Search Report re EP application no. 00 11 2032, mailed July 28, 2000.
- 7) European Search Report re EP application no. EP 00 11 2032, mailed October 2, 2000.

EXAMINER:

DATE CONSIDERED:

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP form. Draw line through citation if not in conformance and not considered. Include a copy of this form with the next communication to applicant.

LIST OF PUBLICATIONS CITED BY APPLICANT	<u>Atty Docket No.</u> 0553-0187.01	<u>Serial No.</u> Not Assigned
	<u>Applicant</u> Shunpei YAMAZAKI et al	
	<u>Filing Date</u> Herewith	<u>Group</u>

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	5,686,360	11/11/97	Harvey, III et al	437	211	11/30/95
	5,952,708	09/14/99	Yamazaki	257	643	11/18/96
	5,990,542	11/23/99	Yamazaki	257	642	12/16/96
	6,251,712	06/26/01	Tanaka et al	438	143	09/12/97
	6,268,695	07/31/01	Affinito	313	504	12/16/98
	6,274,887 B1	08/14/01	Yamazaki et al	257	72	11/01/99
	6,283,578 B1	09/04/01	Popall et al	347	45	06/11/98
	6,316,810 B1	11/13/01	Yamazaki et al			07/09/99
	6,337,492 B1	01/08/02	Jones et al	257	40	05/08/98
	6,369,495 B2	04/09/02	Codama et al	313	292	08/01/01
	6,441,468 B1	08/27/02	Yamazaki			04/26/99
	6,445,059 B1	09/03/02	Yamazaki			07/28/99
	6,531,713 B1	03/11/03	Yamazaki	257	59	03/17/00

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	NAME	English Abstract	English Trans.	FILING DATE

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

(Include name of author (in CAPITAL LETTERS), title of article or item (book, magazine, journal, serial, symposium, catalog, etc.) date, pages(s), volume-issue number(s), publisher, city and/or country where published).

--	--

EXAMINER:	DATE CONSIDERED:
-----------	------------------

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP form. Draw line through citation if not in conformance and not considered. Include a copy of this form with the next communication to applicant.

LIST OF PUBLICATIONS CITED BY APPLICANT	Attorney Docket No. 0553-0187.01	Serial No. Not Assigned
	Applicant Shunpei YAMAZAKI et al	
	Filing Date Herewith	Group

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	5,107,175	04/21/92	Hirano et al	313	512	06/21/90
	5,124,204	06/23/92	Yamashita et al	428	331	03/29/91
	5,189,405	02/23/93	Yamashita et al	340	781	12/23/91
	5,693,956	12/02/97	Shi et al	257	40	07/29/96
	5,757,126	05/26/98	Harvey, III et al	313	506	06/30/97
	5,771,562	06/30/98	Harvey, III et al	29	592.1	05/02/95
	5,811,177	09/22/98	Shi et al	428	209	11/30/95
	5,952,778	09/14/99	Haskal et al	313	504	03/18/97
	6,146,225	11/14/00	Sheats et al	445	24	07/30/98
	6,150,187	11/21/00	Zyung et al	438	26	07/27/98
	6,198,217	03/06/01	Suzuki et al	313	504	05/08/98
	6,198,220	03/06/01	Jones et al	313	512	05/08/98
	6,413,645	07/02/02	Graff et al	428	446	04/20/00

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE

OTHER PUBLICATIONS

(Including Author, Title, Date, Pertinent Pages)

--

EXAMINER:

DATE CONSIDERED:

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP form. Draw line through citation if not in conformance and not considered. Include a copy of this form with the next communication to applicant.

LIST OF PUBLICATIONS CITED BY APPLICANT			Attorney Docket No. 0553-0187.01		Serial No. Not Assigned	
			Applicant Shunpei YAMAZAKI et al.			
			Filing Date Herewith		Group	
U.S. PATENT DOCUMENTS						
*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	4,530,750	07/23/85	Aisenberg et al.			09/10/84
	5,247,190	09/21/93	Friend et al.			04/18/90
	5,270,267	12/14/93	Ouellet			11/19/91
	5,399,502	03/21/95	Friend et al.			05/05/93
	5,438,241	08/01/95	Zavracky et al.			11/01/93
	5,680,185	10/21/97	Kobayashi et al.			04/15/94
	5,688,551	11/18/97	Littman et al.			05/16/96
	5,824,374	10/20/98	Bradley, Jr. et al.			07/22/96
	5,889,459	03/30/99	Hattori et al.			03/28/96
	5,952,708	09/14/99	Yamazaki			11/18/96
	5,990,542	11/23/99	Yamazaki			12/16/96
FOREIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
OTHER PUBLICATIONS (Including Author, Title, Date, Pertinent Pages)						
EXAMINER:				DATE CONSIDERED:		
*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP form. Draw line through citation if not in conformance and not considered. Include a copy of this form with the next communication to applicant.						

LIST OF PUBLICATIONS CITED BY APPLICANT			<u>Attorney Docket No.</u> 0553-0187.01		<u>Serial No.</u> Not Assigned	
			<u>Applicant</u> Shunpei YAMAZAKI et al.			
			<u>Filing Date</u> Herewith		<u>Group</u>	
U.S. PATENT DOCUMENTS						
*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	6,028,325	02/22/00	Yamazaki			12/09/96
	6,057,647	05/02/00	Kurosawa et al.			12/22/98
	6,097,459	08/01/00	Shimada et al.			06/24/98
	6,100,954	08/08/00	Kim et al.			03/25/97
	6,115,090	09/05/00	Yamazaki			03/23/98
	6,150,668	11/21/00	Bao et al.			09/08/99
	6,169,293	01/02/01	Yamazaki			07/22/99
	6,194,837	02/27/01	Ozawa			07/01/98
	6,239,470	05/29/01	Yamazaki			10/07/99
	6,268,631	07/31/01	Fukada et al.			04/20/99
FOREIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
OTHER PUBLICATIONS (Including Author, Title, Date, Pertinent Pages)						
EXAMINER:				DATE CONSIDERED:		
<p>*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP form. Draw line through citation if not in conformance and not considered. Include a copy of this form with the next communication to applicant.</p>						

LIST OF PUBLICATIONS CITED BY APPLICANT			Attorney Docket No. 0553-0187.01		Serial No. Not Assigned	
			Applicant Shunpei YAMAZAKI et al.			
			Filing Date Herewith		Group	
U.S. PATENT DOCUMENTS						
*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
FOREIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
OTHER PUBLICATIONS (Including Author, Title, Date, Pertinent Pages)						
	5) Nagakura et al., "Iwanami Science and Chemistry Dictionary (Iwanami Rikagaku Jiten)" 5 th edition, Iwanami Shoten, 1998, p. 619 6) Shimoda et al., "Multicolor Pixel Patterning of Light-Emitting Polymers by Ink-Jet Printing," <i>SID 99 Digest</i> , May 18, 1999, pp. 376-379. 7) Schenk et al., "Polymers for Light Emitting Diodes," <i>EuroDisplay '99</i> , September 6, 1999, pp. 33-37. 8) Kimura et al., "TFT-LEPD With Image Uniformity by Area Ratio Gray Scale," <i>EuroDisplay '99</i> , September 6, 1999, pp. 71-74. 9) Shimoda et al., "Technology for Active Matrix Light Emitting Polymer Displays," <i>IEDM 99 Technical Digest</i> , pp. 107-110. 10) US Patent Application No. 09/580,485 (pending) including specification, claims, abstract, and drawings. 11) US Patent Application No. 09/724,387 (pending) including specification, claims, abstract, and drawings.					
EXAMINER:				DATE CONSIDERED:		
*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP form. Draw line through citation if not in conformance and not considered. Include a copy of this form with the next communication to applicant.						